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## **ICCI24 Conference Program**

# \*\*\* All times are given in terms of Cairo, Egypt time zone (UTC/GMT +2 hour) \*\*\* Day 1 – Wednesday, March 6, 2024

9:00 – 10:00	Registration	Location
10:00 -10:15	Opening Session Prof. Dr. Ebada Sarhan – Honorary Chair Prof. Dr. Awad Khalil – Conference Chair	FUE Theatre
10:15 – 10:45	Keynote Speech - 1 Chair: Prof. Dr. Awad Khalil Co-Chair: Prof. Dr. Neveen Ghali Speaker1: Prof. Dr. Aliaa Youssef Professor and Dean - College of Computing and Information Technology, Arab Academy for Science Technology and Maritime Transport (AAST), Cairo, Egypt Topic: Navigating the Moral Maze: Artificial Intelligence Ethics in a Changing World	FUE Theatre
10:45 – 11:15	Keynote Speech – 2 (Industrial track)  Speaker 2: Eng. Maged Farag - Creative and Managing Director at 5dVR  Topic:Metaverse Mythbusting: Surviving the Immersive Hype Cycle	FUE Theatre
11:15 -11:30	Coffee break	FUE Theatre
	Session D1-1-T On-site Presentations Track: Smart Environments Chair: Prof. Gouda Ismail Co-Chair: Prof. Amal Mehanna	FUE Theatre
11:30 – 13:10	Session D1-1-A On-site Presentations	Hall B2.2
	Track: Smart Environment, Embedded Systems & Information Systems Chair: Prof. Khaled Tawfik Co-Chair: Prof. Amira Sayed	(FCIT)
	Session D1-1-B On-site Presentations	Hall B3.2
	Track: Data Science & Knowledge Discovery Chair: Prof. Osama Fathi Co-Chair: Prof. Yasser Kamal	(FCIT)
13:10 -14:00	Coffee break	FUE Theatre & FCIT
	Session D1-2-T Webinar Presentations Track: Mix Chair: Prof. Hesham Dahshan Co-Chair: Prof. Samah Zaki	FUE Theatre
14.00 16.00	Session D1-2-A On-site Presentations	Hall B2.2
14:00 – 16:00	Track: Artificial intelligence and Data Visualization Chair: Prof. Yasser Kamal Co-Chair: Prof. Heba Mohsen	(FCIT)
	Session D1-2-B On site Presentations	Hall B3.2
	On-site Presentations  Track: Cryptography, Cybersecurity and Forensics  Chair: Prof. Aml Farouk  Co-Chair: Prof. Mohamed Attia	(FCIT)

9:00 - 10:00	Registration	Location
10:00 – 10:30	Keynote Speech - 1 Chair: Chair: Prof. Dr. Awad Khalil Co-Chair: Prof. Dr. Neveen Ghali Speaker1: Dr. Ahmed Abdel Hafez Vice President for Cyber Security Affairs, National Telecommunication Regulatory Authority (NTRA), Egypt Topic: National Cybersecurity Emerging Challenges & Safeguards	FUE Theatre
10:30 – 11:00	Keynote Speech – 2 (Industrial track) Speaker 2: Eng. Mohamed Gaweish - AWS Technical Instructor and AWS Senior Speaker. Topic: Beyond Traditional: Embracing Serverless Paradigms on AWS	FUE Theatre
11:00 – 11:15	Coffee Break	FUE Theatre
11:15 – 13:00	Session D2-1-T On-site Presentations Track: Artificial Intelligence and Data Visualization Chair: Prof. Ramadan Moawad Co-Chair: Prof. Heba Mohsen	Hall D (B4.2 - FCIT)
	Session D2-1-A On-site Presentations Track: Information Systems Management & E-Learning Chair: Prof. Tarek Mahmoud Co-Chair: Prof. Amal Mehanna	Hall A (B2.2 - FCIT)
	Session D2-1-B On-site Presentations Track: Information Systems & Bioinformatics Chair: Prof. Fatma Omara Co-Chair: Prof. Mohamed Attia	Hall B (B3.2 - FCIT)
13:15 – 14:00	Coffee break	FCIT
14:00 – 16:30	Session D2-2-T Webinar Presentations Track: Mix Chair: Prof. Mahmoud Sami Co-Chair: Prof. Ahmed Yakoub	Hall D (B4.2 - FCIT)
	Session D2-2-A On-site Presentations Track: Image Processing and Pattern Recognition Chair: Prof. Atef Ghalwash Co-Chair: Prof. Yasser Kamal	Hall A (B2.2 - FCIT)
	Session D2-2-B On-site Presentations Track: Cryptography, Cybersecurity and Forensics – Software Engineering Chair: Prof. Yehia Helmy Co-Chair: Prof. Amira Sayed	Hall B (B3.2 - FCIT)
	Session D2-2-C On-site Presentations Track: Image Processing and Pattern Recognition – Software Engineering Chair: Prof. Eman Shabaan Co-Chair: Prof. Samah Zaki	Hall C (B3.5 - FCIT)

## **Sessions Schedule**

## \*\*\* All times are given in terms of Cairo, Egypt time zone (UTC/GMT +2 hour) \*\*\*

#### Day 1 - Wednesday, March 6, 2024

#### **Track: Smart Environments**

#### Session D1-1-T: On-site

Chair: Prof. Gouda Ismail Co-Chair: Prof. Amal Mehanna

Time: 11:30 – 13:10 Location: FUE Theatre

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	Paper Id: 47	
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11:30 - 11:50	Rytis Maskeliunas - Vytautas Magnum University Akademija	
	rytis.maskeliunas@ktu.lt	
	Paper Id: 46	
	Leveraging entangled quantum states to develop consensus mechanisms in	
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	Robertas Damasevicius - Vytautas Magnum University Akademija	
	robertas.damasevicius@vdu.lt	
	Paper Id: 74	
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12:10 - 12:30	Research and Industry Perspectives for Connected Health366	
	Bassant M. Elbagoury - Faculty of Computer Science and Engineering - King Salman	
	International University	
	bassant.mohamed@ksiu.edu.eg	
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12:30 - 12:50	Educational Institutions351	
	Islam Samih Mohamed - dept. Business Information Systems Faculty of Commerce and	
	Business Administration - Helwan University	
	islam.samih21@commerce.helwan.edu.eg	
	Paper Id: 14	
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12:50 - 13:10	Ibrahim Ali Mohamed - Department of Computer Science, Faculty of Computers and	
	Artificial Intelligence Cairo University	
	i.ali@fci-cu.edu.eg	

#### Day 1 – Wednesday, March 6, 2024

#### Track: Smart Environments, Embedded Systems & Information Systems

#### Session D1-1-A: On-site

Chair: Prof. Khaled Tawfik Co-Chair: Prof. Amira Sayed

Time: 11:30 – 13:10 Location: Hall A (B2.2 - FCIT)

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	Information Technology Future University in Egypt	
	salma.abdelhamed@fue.edu.eg	
	Paper Id: 72	
	A Comprehensive Investigation for Quantifying and Assessing the Advantages of	
11:50 – 12:10	Blockchain Adoption in Banking Industry322	
11.30 – 12.10	Amira Hassan Abed - Faculty of Computers and Information Technology - Future	
	University in Egypt	
	mirahassan61286@gmail.com	
	Paper Id: 11	
12:10 – 12:30	Real time Integration GPS with gyro-compassing using two cascaded EKF with free RTOS307	- Embedded
12.10 - 12.30	Ahmed A. Badawy - Guidance department Military Technical College	
	Ahmedbadawy2208@gmail.com	
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	Nesma Alabyad - Future University In Egypt	
	20200220@fue.edu.eg	
	Paper Id: 88	
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12:50 – 13:10	Yasser Kamal Ali - Future University in Egypt, Faculty of Computers and Information	Systems
	Technology	3,3101113
	Yasser.aboumandour@fue.edu.eg	

#### Day 1 - Wednesday, March 6, 2024

#### **Track: Data Science & Knowledge Discovery**

#### Session D1-1-B: On-site

Chair: Prof. Osama Fathi Co-Chair: Prof. Mohamed Attia

Time: 11:30 – 13:10 Location: Hall B (B3.2 - FCIT)

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11:30 – 11:50	Abdelrahman Lotfy - School of Information Technology and Computer Science (ITCS), Nile	
	University	
	ab.lotfy@nu.edu.eg	
	Paper Id: 49	
11:50 - 12:10	Time series prediction analysis of Long Short Term Memory Models402	
	Mutasem Jarrah - Information Technology Department King Abdulaziz University	
	mmjarrah@kau.edu.sa	
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	Weather Prediction Platform using Data Mining393	
12:10 – 12:30	Haya k. Elsonbaty - Artificial Intelligence Science Faculty of Computer Science and	
	Engineering - New Mansoura University	
	haya221101067@nmu.edu.eg	
	Paper Id: 57	
12:30 - 12:50	Sentiment Analysis on Arabic Companies Reviews418	
	Aya E. Fouda - School of Computer Science, Nile University	
	a.elneanaei@nu.edu.eg	
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42.50 42.40	Using Machine Learning Techniques to Maximize Profitability in the Hospitality Industry182	
12:50 – 13:10	Mohammed S. Shallan - Faculty of Commerce and Business Administration Helwan	
	University	
	mohammed.saeed21@commerce.h elwan.edu.eg	

## Day 1 – Wednesday, March 6, 2024

#### **Track: Mix**

#### Session D1-2-T: Webinar

Chair: Prof. Hesham Dahshan Co-Chair: Prof. Samah Zaki

Time: 14:00 – 16:00 Location: FUE Theatre

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	Somayh Al-Amoudi - Information Technology - King Abdulaziz University	
	somayh.a.a@gmail.com	
	Paper Id :41	
	An End-to-End Deployment Workflow for AI Enabled Agriculture Applications at the Edge506	
14:20 - 14:40	<b>Doruk Sonmez</b> - Computer Engineering Department Gazi University Graduate School of	
	Natural and Applied Sciences	
	doruk898@gmail.com	
	Paper Id: 43	
14:40 – 15:00	A Case Study for Language-Free Keyword Extraction with Statistical and Graph-Based	
	Features518	
	Hüma Kılıç - Computer Engineering Department Faculty of Technology, Gazi University	
	acetin@gazi.edu.tr	
	Paper Id: 17	
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15:00 – 15:20	Enhancing Decent Work Opportunities: A Comprehensive Analysis377	
	MIRA TAMER SHAKER - Management Information System, Faculty of Commerce & Business	
	Administration Future University in Egypt	
	mira.shaker@fue.edu.eg	
	Paper Id: 42	
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	Aydin Cetin - Havelsan Inc.Command Control and Defence technologies	
	acetin@gazi.edu.tr	
	Paper Id: 52	
15:40 – 16:00	Database Security: Current Challenges and Effective Protection Strategies120	
	Ahmed Naguib - Faculty of Information Technology and Computer Science Nile University	
	a.naguib2283@nu.edu.eg	

#### Day 1 - Wednesday, March 6, 2024

#### **Track: Artificial Intelligence and Data Visualization**

Session D1-2-A: On-site

Chair: Prof. Yasser Kamal Co-Chair: Prof. Heba Mohsen

Time: 14:00 – 16:00 Location: Hall A (B2.2 – FCIT)

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14:00 - 14:20	Sara El-Metwally - Computer Science Department - Mansoura University	
	sarah_almetwally4@mans.edu.eg	
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14:20 - 14:40	Mahmoud Daker - Faculty of Computer Science October University for Modern Sciences	
	and Arts (MSA)	
	mahmoud.hossam2@msa.edu.eg	
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	Samah A. Z. Hassan - Information System Department - Suez University	
	s.hassan@suezuni.edu.eg	
	Paper Id: 26	
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15:00 – 15:20	Mahmoud Ahmed Mahmoud - Faculty of Computer Science - October University for	
	Modern Sciences and Arts (MSA)	
	mahmoud.ahmed50@msa.edu.eg	
	Paper Id: 12	
	Efficient Computational Cost Reduction in KNN through Maximum Entropy Clustering34	
15:20 – 15:40	Ammar Mohamed - School of Computing and Digital Technology - ESLSCA University Egypt	
	ammar@cu.edu.eg	
	Paper Id: 34	
15:40 – 16:00	Data Augmentation for Sentiment Analysis Enhancement: A Comparative Study53	
	Farida Yasser - School of Computing and Digital Technology - ESLSCA University Egypt	
	Farida.youssef21d@eslsca.edu.eg	

#### Day 1 – Wednesday, March 6, 2024

#### **Track: Cryptography, Cybersecurity and Forensics**

Session D1-2-B: On-site

Chair: Prof. Aml Farouk Co-Chair: Prof. Amira Sayed

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	Samar M.Nour - Department of Computer and Systems Engineering. Faculty of	
	Engineering - Badr University	
	samar.nour@buc.edu.eg	
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	Multi-Class Threat Detection Using Neural Network and Machine Learning Approaches in	
	Kubernetes Environments103	
	Abdelrahman Aly - Dept. Computer Systems Faculty of Computer and Information	
	Sciences Ain Shams University	
	Abdlrhmn.ali@cis.asu.edu.eg	
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	Ahmed A.Tawfik - Communication Department Military Technical College	
	ahmedali27491@gmail.com	
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	Advanced Network Malware Detection: Integrating PySpark and Machine	
	Learning Techniques131	
	Ahmed Ashraf Mohamed- ITCS School, Nile University	
	ahme.ashraf@nu.edu.eg	
15:40 – 16:00	Paper Id: 22	
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	Ahmed Soliman Nagiub - Computer System Department - Ain Shams University	
	ahmed.nagiub@cis.asu.edu.eg	

#### **Track: Artificial Intelligence and Data Visualization**

#### Session D2-1-T: On-site

Chair: Prof. Ramadan Moawad Co-Chair: Prof. Heba Mohsen

Time: 11:15 – 13:15 Location: FUE Theatre

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11:15 - 11:35	Adham Kossay Youssef - School of Computing and Digital Technology - ESLSCA University	
	Egypt	
	adham.youssef21d@eslsca.edu.eg	
	Paper Id: 58	
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11:35 – 11:55	Mohamed A. Sadek - Faculty of Information Technology and Computer Science - Nile	
	University	
	mohamed.sadek146@gmail.com	
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	Ali Othman Jahlan - Computer Science department - Cairo	
	ali.jhlan@pg.cu.edu.eg	
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	Farida.youssef21d@eslsca.edu.eg	
	Paper Id: 16	
	Empirical Study on Mispronunciation Detection for Tajweed Rules during Quran Recitation39	
12:35 – 12:55	Yousef S Alsahafi - Department of Information technology Computing and Information	
	technology at Khulis College University of Jeddah	
	<u>ysalsahafi@uj.edu.sa</u>	
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	Eman Wafaa Boghdady	
	emanboghdady105@gmail.com	

#### **Track: Information Systems Management & E-learning**

#### Session D2-1-A: On-site

Chair: Prof. Tarek Mahmoud Co-Chair: Prof. Amal Mehhana

Time: 11:15 – 12:55 Location: Hall A (B2.2 - FCIT)

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11.15 – 11.55	Rami M. Baazeem - Department of Management Information Systems, College of	
	Business University of Jeddah	
	<u>04100425@uj.edu.eg</u>	
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	and Arts university	
	mahmoud.raafat1@msa.edu.eg	
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11:55 – 12:15	Nora Barakat Ghareeb - Business Information Systems (BIS) Department, Faculty of	
	Commerce and Business Administration - Helwan University	
	Nora.Barakat@Helwan.edu.eg	
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12:15 – 12:35	ERP, Blockchain, IoT, Context-awareness, and Cloud Computing459	
	Bayan Elakhdar - Information System Department - Suez University	
	s.hassan@suezuni.edu.eg	
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12.55 12.55	Warda Mustafa – Information System Department – Future University in Egypt	
	Warda.mahmoud@fue.edu.eg	

#### **Track: Information Systems & Bioinformatics**

#### Session D2-1-B: On-site

Chair: Prof. Fatma Omara Co-Chair: Prof. Mohamed Attia

Time: 11:15 – 12:55 Location: Hall B (B3.2 - FCIT)

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11:15 – 11:35	Learning217	
	Mahmoud Daker - Faculty of Computer Science October University for Modern Sciences and	
	Arts (MSA)	
	mahmoud.hossam2@msa.edu.eg	
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	University	
	Reham-abdallah@eru.edu.eg	
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	Nadeen Amgad - Faculty of Computer Science MSA University	
	Nadeen.amgad@msa.edu.eg	
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	hanan.tarek@msa.edu.eg	
	Paper Id: 37	
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12.55 – 12.55	Collaborative Filtering452	
	Ahmed Anter – Faculty of Commerce and Business Administration Helwan University	
	ahmedantar1616@pg.cu.edu.eg	

#### **Track: Mix**

#### Session D2-2-T: Webinar

Chair: Prof. Mahmoud Sami Co-Chair: Prof. Ahmed Yakoub

Time: 14:00 – 16:00 Location: Hall D (B4.2 – FCIT)

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	Nada E. Elshami - Department of Computer Science - Faculty of Computers and Information	
	Technology - Future University in Egypt	
	Nada.hussien@fue.edu.eg	
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	Mohammed Megahed - Department of Computer Science - Cairo University	
	mohammad.megahed@pg.cu.edu.eg	
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	of Krakow	
	Mahmoud.nasr@fue.edu.eg	
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15:00 -15:20	Osim Kumar Pal - Biomedical Engineering University of Kragujevac	
	osimkpal@gmail.com	
	Paper Id: 67	
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	ahmed.neil@cis.asu.edu.eg	
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	Mahmoud A. Khalifa - Computer Science Department Security Engineering Laboratory Prince	
15:40 - 16:00	Sultan University	
	mzian@psu.edu.sa	

#### **Track: Image Processing and Pattern Recognition**

Session D2-2-A: On-site

Chair: Prof. Atef Ghalwash Co-Chair: Prof. Yasser Kamal

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	Intelligence, Cairo University	
	aml.mohammed.aleryani@gmail.com	
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	Khaled Mostafa - Faculty of Computer Science MSA University	
	khaled.mostafa4@msa.edu.eg	
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	Sara Esam - Department of Computer Science - Cairo University	
	saraesam@pg.cu.edu.eg	
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	Arts (MSA)	
	Mostafa.ameen@msa.edu.eg	
15:20- 15:40	Paper Id: 44	
	Efficient Aerial Specific Building Recognition Using CRKEM-ORB291	
	Ahmed Fouad - Elictrical Engineering M.T.C	
	Fo2sh44@yahoo.com	

#### Track: Cryptography, Cybersecurity and Forensics, Software Engineering

Session D2-2-B: On-site

Chair: Prof. Yehia Helmy Co-Chair: Prof. Amira Sayed

Time: 14:00 – 15:40 Location: Hall B (B3.2 – FCIT)

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	Mahmoud Hassan - Departemnt of Computer Engineering and Artifitial Intelligence Military	
	Technical Colleague	
	mahmoudhassan82068@gmail.com	
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	Reduced Complexity Iterative Decoding for Hamming-Based Turbo Product Code166	
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	mekkawy@ieee.org	
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	Artificial Intelligence, Helwan University	
	nohaahmed_isp@fci.helwan.edu.eg	
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	Tasnim S. Kandil - Faculty of Computers and Information Technology, Future University in	
	Egypt Tagging Kandil@fug.adu.ag	
	Tasnim.Kandil@fue.edu.eg	<u> </u>

#### Track: Image Processing and Pattern Recognition, Software Engineering

#### Session D2-2-C: On-site

Chair: Prof. Eman Shabaan Co-Chair: Prof. Samah Zaki

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	Abdelrhman A. Karim - Artificial Intelligence Engineering Department Faculty of Computer Science and Engineering, New Mansoura University abdelrahman221101203@nmu.edu.eg	
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	Mayar Tarek Henedak - BMD Program, ITCS, Nile University m.henedak@nu.edu.eg	
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